



Operation Manual OCS SERIES



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Attention:

Please read this User's Guide carefully before using the indicator.



I: Main features

1. LCD display is with black light,
2. Portable plastic cover indicator is used.
3. The indicator is with printer.
4. Company name printing facility is available.
5. Weighing results are 256 kinds of Type.
6. Print Reports according to date and sort.
7. Store 3000 weighing records.
8. Real Time clock and calendar is present.
9. Two way data transfer function, can send control information to crane Scale like zero.

II: Technical specification

1. Accuracy: comply with OIML III
2. Power supply: scale body - 4v/4AH,
Indicator - 3.7v lithium battery
3. Radio frequency - 430MHz, 16 frequency,
Frequency hopping spread spectrum communication
4. Displays refresh speed : 4 times/second.
- 5.
6. Working temperature : crane scale -15°C to 50°C.
Indicator - 0°C to 40°C.
6. Scale working time when once charge : 200 hours.
7. Indicator working time when ones charge : 400 hours.
8. Wireless transmits distance : more than 100 m without any bar.

III: Specification and basic parameter

MODEL	Capacity	Divisions
OCS-XS-01	1t	0.5 kg
OCS-XS-02	2t	1 kg
OCS-XS-03	3t	1 kg
OCS-XS-05	5t	2 kg
OCS-XS-10	10t	5 kg



IV:Keyboard function specification

ON/Off	:	Power on/off, exit to weighing mode from various function mode.
Set	:	use for setting operation.
Enter	:	Input records after weighing stable, and also used for confirmation of key Operation.
Total	:	Check and print total weight stat. report.
Query	:	Check and print each records.
Print	:	Manual printing operation.
A.C	:	Delete all records meet the requirement.
CLR	:	Clear the input.
Date/9	:	Display and modify present date.
Auto/8	:	Setting and cancel auto working mode.
Minus/7	:	Setting and cancel negative working mode.
Type/6	:	Setting sort.
Time/5	:	Display and modify present date.
S.T/4	:	Set tare.
Del/3	:	Delete current records or choose to delete single record when check.
Gath/2	:	Stat or printing after weighing.
Tare/1	:	Feeding paper and other function key.
Zero/0	:	Zero operation, single zero range<2%F.S, accumulate zero range<4%F.S.
F1	:	Function key to feed paper.
F2	:	Function key to research radio frequency and setting parameter.
F3	:	Function key.



V:Weighing indicator instruction

i. Switch ON:

- Connect the 4v adopter to indicator receiver.
- Inserted the fuse in correct manner.
- After this connection ,Switch ON the crane scale
First and then Switch ON the indicator using ""On/Off"" key
- Press ""On/Off"" key Display will show software version mode [oCSC4F]
- then go through self test and display will goes 99999 to 00000
Display will show [0]
and if crane scale is OFF signal will not detected. Display will show [NO-RF]

ii. Switch OFF:

- **If crane scale will not be used for Long time please
Switch OFF the Crane Scale and to takeout the fuse to avoid
the Over down of battery.**
- If crane scale will not used for Few times then Switch OFF the indicator
By Pressing ""On/off"" key then scale body will be automatically OFF.

iii.Weighing operation:

1.Zero

There are no load hanging to the crane, but Display will not show 'Zero '
then Press ""Zero/0"" Key to make Zero.

2.Set Tare

This function is used when know the tare.Press""S.T/4"" key,
Display will show [P 0]
Now input ""Tare"" using numeric key, Press ""Enter"" key to confirmation.

**Note: No need to give decimal point, if 3150.5 kg, you should
input 31505.the input tare should be integral times of division.**

3.Store and Print single weighing data

Hang the cargo, then Display will show [*****]
After stable the value Press ""Enter"" to save the present
Weighing data type no adds 1.
Press ""Print"" to print resent recorded data

E g

1 08:57 2352kg

Note:

Saving and Printing of weight to hanging scale is valid for only one time
After one record, First you should made the hanging weight is Zero
Then hang another weight and to print and save another record.



4. Time displaying and setting

Press “Time/5” Display will show

[hh.mm.ss]

Press “Set” the MSB digit of hour will blink, by using numeric key

Change the value of time, Press “Enter” to save changing time

Press “On/Off” key come back to weighing mode now

Display will show

[*****]

5. Date setting and Displaying

- Press “Date/9” key Display will show

[yy.mm.dd]

- Press” Set” key to modify and then Display will show

[yy.mm.dd]

and MSB digit of year will be blinking by using numeric key, You can change the value of Date Press “Enter” to save the changing date

- if you should not want to change then only Press “On/Off” key come

- Back to weighing mode And Display will shows

[*****]

6. Factory Name setting(Refer ASCII Code Table on page no 13 and 14)

- Press”F2” Display will show

[Fun]

Now Press”Zero/0”key indicator will go to factory name

setting and Display will show

[01: ***]

- Enter the ASCII value by using numeric key(Refer Chapter 8 for ASCII code)

- **E g** if you should want to enter ‘A’ then enter

“65” then Display will show

[01: 65]

- Press “Enter” key to confirm the character and go to next

Character and Display will show

[02: **]

- exit from this mode Press “On/off” key .

- After setting all ASCII value Press “Set” to save and exit to Weighing mode.

- During setting you should want to Print then Press “Print” key take Print out other present set information.

Factory Name at most 99 characters.

7. Cargo Type Setting

Press “type/6”in weighing mode, Display Will show

[tp= ***]

tp value will be inputting using numeric keys then ,Press “Enter” key to save tp value and Exit if you should input greater than 255 value will

Regarded as wrong inputting and Display will show

[Err- 5]

Default sort no: 0, after entering numeric value. Press” Enter” for confirm.

8. Cargo Name setting

- Save the **Cargo Name into the indicator, at most 256 kinds** when printing, **it will print the Cargo Name not Type number.** each Type can set **50 characters**

- Press”type/6”Display will shows last save tp

[tp= ****]

- Press “Set” now Display will show

[St- ****]

- Enter St number by using numeric keys to keep ,**tp and st value**



are same then Press "Enter" to confirm, Display will show

[01: ****]

- It means to input the ASCII number of character

E g if you should want to input character 'A'

then input the "65", Display will show

[01: 65]

and Press "Enter" to save and Start next

Character and Display will show

[02: 78]

- 1) Press "Set" to save and "Press "On/Off" exit to weighing mode
- 2) After Character inputting ,Press,Print" will print Type name, but it only print up to the present setting place, if do not need it
- 3) Only Press "On/off" back to weighing mode and then Press "Set" key to the ASCII value and go to next sort setting
- 4) After finishing the entry of Cargo Name,Press"Set" key to save the Cargo Name.
- 5) Press the" On/Off" key to come back in weighing mode.
- 6) After Cargo Name setting you want to print then Press "Print "key .

9. Record management

1. Record save

There are two modes of record saving these are as follows.

- Manual mode: Press "Enter" will save the record and print.
- Auto mode : When cargo is stable it will auto save and print only when **the p-AUTO is enable otherwise it only save the record not print** (only when will indicator with panel printer).

2. Record check and printing(this is only with printer)

This function will mainly use when need reprint the weight bill, there are many type of combine and stat way.

I. Check the accumulate record

a) Check and print all records total reports

- Press" Total" display will show means all weighing record, Press"Enter" To confirmation and Display will show

[CA-ALL]

E g if display will show

[t= ****]

Total numbers of records are 5 then again press "Enter"

[t= 5]

Display will show

[*****]

E g if display will show

[54]

It means total weight of all records is 54

- Press" Print "key, to Print total report according to weighing record

Eagle		
Total weight :	54Kg	
Total Records :	5	
5	15:27	8kg
4	15:29	10kg
3	15:35	20kg
2	15:40	8kg
1	15:47	8ka



b) Check and Print total records according to date (current date)

- Press "Total" key ,Display will show
Again Press "Total" key, Display will show
it means all records according to dates Press "Enter" to Confirmation.
And now Display will show

[CA-ALL]

[CA-d-]

[t= *****]

E g if Display will show
Total numbers of records according to dates are 5

[t= 5]

- Press "Enter" Display will show

[*****]

E g if Display will show
It means total weight of all records according to dates is 54 exits from this mode

[54]

- Press "On/off" key come back to weighing mode.
- Press "Print" key, to Print total report according to date

Print format for total report according to date

Date	:	2009-12-31
Total weight	:	54Kg
Total Records	:	5
5	15:27	8kg
4	15:29	10kg
3	15:35	20kg
2	15:40	8kg
1	15:47	8kg

c) Check and Print total records accumulate weight according to Type

- First Set required tp No value which you want to Print**

- Press "Total" key Display will show
- Again Press "Total" key ,Display will show
- Again Press "Total" key ,Display will show
It means all records according to dates
- Now Press "Enter" to conformation
- And now Display will show

[CA-ALL]

[CA-d-]

[CA-tp-]

[t= *****]

E g if display will show
Total numbers of records according to sort of Cargo are 5

[t= 5]

- Press "Enter" Display will show

[*****]

E g if Display will show
It means total weight of all records according to sort is 54

[54]

- Exit from this mode Press "On/off"
- Press "Print" key, to Print total report according to sort



Print format for total report according to Type

Type	:	Brass
Total weight	:	54Kg
Total Records	:	5
5	15:27	8kg
4	15:29	10kg
3	15:35	20kg
2	15:40	8kg
1	15:47	8kg

d) Check and Print total records according to current date and Type

- Press "Total" key Display will show
- Press "Total" key ,Display will show
- Press "Total" key, Display will show
- Press "Total" key, Display will show

[CA-ALL]
[CA-d-]
[CA-tp-]
[CA-d-t]

It means all records according to dates and sort

- Now Press "Enter" to confirmation
- And now Display will show

[t= *****]
[t= 5]

E g if Display will show

Total numbers of records according to sort of cargo are 5

Then again press "Enter" Display will Show

[*****]
[54]

E g if Display will show

It means total weight of all records according to sort is 54,exit from this mode Press "On/off".

- Press "Print "key, to Print total report according to weighing record.

Print format for total report according to Type + date

Date	:	2009-12-31
Type	:	Brass
Total weigh	:	54Kg
Total Records	:	5
5	15:27	10kg
4	15:29	10kg
3	15:35	20kg
2	15:40	8kg
1	15:47	8kg



ii. Checking and print each weighing record

a) Check each weighing records weight.

- Check and print each records reports ,Press” Query”

Display will show

- Means all weighing record Press “Enter “To confirmation and

Display will show

E g if Display will show

total number of records is 5, Press “Enter “Display will show

It means value of r=5 are 20kg

- Press “Print “key, to Print single report according to Weighing record.

[qU-ALL]

[r= *****]

[r= 5]

[20]

Print format for total report for each weight

5	15:27	10Kg
---	-------	------

b) Check and print each record according to date

- Press “Query” key Display will show

- Again Press “Query” key Display will show

It means all records according to dates

- Now press “Enter” to confirmation And Display will show

E g if Display will show

It is 5 Th record, According to dates Then again Press “Enter”

Display will show

E g if display will show

It means weight of 5th record according to dates is 54 exits from this mode ,Press “On/off”

- Press “Print “key, to Print single report according to Weighing record

[quiz-ALL]

[quiz-d-]

[r= ***]

[r= 5]

[*****]

[54]

Print format for total report for each weight

5	15:27	10Kg
---	-------	------

c) Check and Print each record according to Type

- Press “Query” key ,Display will show

- Again Press “Query” key ,Display will show

- Again Press “Query” key Display will show

It means all records according to Type Press “Enter” to Confirm

- Display will show

E.g. Display will show

[qU-ALL]

[qU-d-]

[qU-tp-]

[r= ***]

[r= 5]



It is 5th record according to Type, Press "Enter" Display will show

[*****]

E g Display will show

[54]

It means weight of 5th record according

ToType is 54 Press "On/off" come back in weighing mode.

5	15:27	10Kg
---	-------	------

d.) Check and Print each record data according to current date and Type

- Press "Query" key ,Display will show

[qu -ALL]

- Again Press "Query" key ,Display will show

[qu -d -t]

- Again Press "Query" key Display will show

[qu - t]

- Again Press "Query" key Display will show

[qu -d-t]

It means all records according to date and Type, Press "Enter" to

Confirm, Display will show

[r= ***]

E g if Display will show

[r= 5]

It is 5 Th record according to Type and Date.

- Press "Enter" Display will show

[*****]

E g Display will show

[54]

It means weight of 5th record according to Type is 54

Exit from this mode press "On/off".

iii. Record delete

- **Single record delete**

Press "del/3" then Display will show

[del- rec]

Now Press "Enter" will delete last record

- **Delete All records**

Press "A.C." Display will now shows

[del- all]

Then Press "Enter" key to delete all record

10. Backlight mode setting

- Press "F2" Display will show

[Fun]

Then Press "Minus/7" ,Display will go to Backlight setting function

Display will show

[BLAUTO]

- Press "Query" to change the backlight mode .Display will shows

[BL-OFF]

Press "Enter" key to save setting and come back in weighing mode.

BLAUTO: means current mode is auto backlight.

BL-OFF: means current mode is backlight off mode.



11. Buzzer setting

- Press "F2" Display will show [Fun]
Then Press "Auto/8" Display will go to buzzer setting function.
- Display will show [Bz-off]
Press "Query" to change the Buzzer mode Display will show [BL-On]
Press "Enter" key to save setting and come back in weighing mode

12. Print color setting (only for wireless crane scale with printer)

- Press "F2" Display will show [Fun]
Press "Type/6" , Display will go to print colour setting function.
Display will show [DP-X]
- **X: it will changes from 5-9 bigger numeric is deeper colour.**
Press "Query" to change the Print colour setting mode.
Display will show [DP- 6]
it means colour depth of Print is 6 .
- Press "Enter" to confirm and come back in weighing mode

13. Auto printing setting (only for with printer)

- Press "F2" Display will show [Fun]
Press "Time/5", Display will go to Auto printing setting function.
- Display will show [P-AUTO]
Press "Query" to change the Auto Printing mode Display will show [P-MAN]
Press "Enter" to confirmation come back in weighing mode.
- Press "Total" to save and exit weighing mode.

P-AUTO: means every new record has been saved and print it.

P-MAN: means just save the record not print.

14. Battery voltage checking

- Press "F2" key, Display will show [Fun]
Press "Date/9" key, the indicator Display will show battery voltage [3.67v]
If battery voltage is less than 3.45v, you should recharge the Battery immediately



VI: Error Message:

- Err_1 : system error.
- Err_3 : weighing not stable.
- Err_3 : time setting error.
- Err_4 : date setting error.
- Err_5 : sort setting error.
- Err_6 : calibration data error.
- Err_7 : ID setting error.
- Err_8 : Record number above 3000.
- Err_9 : No record.
- Err_10 : division wrong when set tare.
- Err_11 : no printer connected.
- Err_12 : printer without paper.
- Err_13 : other error for printer.

VII : English character Inputting Specification

When in English Character inputting mode, Display will show
It means first character xxxx means this Character's ASCII code,
After input the ASCII. Code Press "Enter" key then indicator
Save the ASCII code for first character and go to next character
ASCII code

[01: xxxx]

input Eagle		
E	01: 068	then Enter
a	02: 097	then Enter
g	03: 103	then Enter
l	04: 108	then Enter
e	05: 065	then Enter



VIII:ASCII code

ASCII CODE	Character	ASCII CODE	Character	ASCII CODE	Character
32	<Space>	63	?	94	^
33		64	@	95	_
34		65	A	96	`
35		66	B	97	a
36		67	C	98	b
37	%	68	D	99	c
38	&	69	E	100	d
39	'	70	F	101	e
40	(	71	G	102	f
41	)	72	H	103	g
42	*	73	I	104	h
43	+	74	J	105	i
44	,	75	K	106	j
45	-	76	L	107	k
46	.	77	M	108	l
47	/	78	N	109	m
48	0	79	O	110	n
49	1	80	P	111	o
50	2	81	Q	112	p
51	3	82	R	113	q
52	4	83	S	114	r
53	5	84	T	115	s
54	6	85	U	116	t
55	7	86	V	117	u
56	8	87	W	118	v
57	9	88	X	119	w
58	:	89	Y	120	x
59	;	90	Z	121	y
60	<	91	[	122	z
61	=	92	\		
62	>	93	]		



Note